

---

***IN THE UNITED STATES PATENT AND TRADEMARK OFFICE***

---

In re application of: Lehman et al.

Attorney Docket No.:

KLA1P015AD2/P611A2

Application No.: NEW

Examiner: UNASSIGNED

Filed: HERewith

Group: UNASSIGNED

Title: IN-SITU METALIZATION MONITORING  
USING EDDY CURRENT MEASUREMENTS  
DURING THE PROCESS FOR REMOVING THE  
FILM

---

**INFORMATION DISCLOSURE STATEMENT  
37 CFR §§1.56 AND 1.97(b)**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

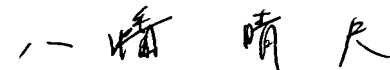
The references listed in the attached PTO Form 1449 may be material to examination of the above-identified patent application. Applicants submit the list of these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application. The above-identified application is a Divisional of prior application U.S. Patent Application No. 10/166,585. This prior application is being relied upon for an earlier filing date under 35 U.S.C. § 120. Because the listed references were either cited by the PTO, or submitted to the PTO in the prior application, under 37 CFR § 1.98(d) Applicants submit that copies need not be provided.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is: (i) filed within three (3) months of the filing date of the above-referenced application, (ii) believed to be filed before the mailing date of a first Office Action on the merits, or (iii) believed to be filed before the mailing of a first Office Action after the filing of a Request for Continued Examination under §1.114. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 500388 (Order No. KLA1P015AD2).

Respectfully submitted,

BEYER WEAVER & THOMAS, LLP



Haruo Yawata

Limited Recognition Under 37 CFR § 10.9(b)

P.O. Box 778  
Berkeley, CA 94704-0778

<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	Atty Docket No.	Application No.:
	<b>KLA1P015AD2/P611A2</b>	<b>Unknown</b>
	Applicant:	
	<b>Lehman <i>et al.</i></b>	
	Filing Date	Group
	<b>Herewith</b>	<b>Not Assigned</b>

#### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A1	5,552,704	9-3-96	Mallory, et al			
	A2	6,072,313	6-6-00	Li., et al			
	A3	5,559,428	9-24-96	Li , et al			
	A4	5,948,206	9-7-99	Inaba , et al			
	A5	4,849,694	7-18-89	Coates			
	A6	4,005,359	1-25-77	Smoot			
	A7	5,293,132	3-8-94	Koch			
	A8	35,703	12-30-97	Koch, et al			
	A9	5,930,744	7-27-99	Koch, et al			
	A10	5,001,356	3-19-91	Ichikawa			

#### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	B1	4132562 A1	9-30-91	Germany				X
	B2	0581703 A1	2-27-93	EPO				X
	B3	5-149927	6-15-93	Japan (abstract)			X	
	B4	64-12277	1-17-89	Japan (abstract)			X	
	B5	0631147 A1	12-28-94	EPO			X	

#### Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	C1	D.Shenton and Z. J. Cendes, "Eddy, Current Analysis Of Thin Film Recording Heads," March 15, 1984, American Institute of Physics
	C2	Steven A. Henck, "In Situ Real-time Ellipsometry For Film Thickness Measurement And Control," July/August 1992, American Vacuum Society.
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	Atty Docket No.	Application No.:
	<b>KLA1P015AD2/P611A2</b>	<b>Unknown</b>
	Applicant:	
	<b>Lehman <i>et al.</i></b>	
	Filing Date	Group
	<b>Herewith</b>	<b>Not Assigned</b>

#### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A11	4,977,853	12-18-90	Falcoff, et al			
	A12	5,206,588	4-27-93	Thorn			
	A13	4,791,367	12-13-88	Typpo			
	A14	4,715,007	12-22-87	Futjita, et al			
	A15	5,731,697	3-24-98	Li, et al			
	A16	5,644,221	7-1-97	Li, et al			
	A17	5,663,637	9-2-97	Li, et al			
	A18	5,770,948	6-23-98	Li, et al			
	A19	5,872,633	2-16-99	Holzappel, et al			
	A20	5,559,428	9-24-96	Li, et al			

#### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	B6	4132562 A1	9-30-91	Germany				X
	K							
	L							
	M							
	N							

#### Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	C3	Bucknell, et al, "Interference Resonances in the Permeability of Laminated Magnetic Films," October 15, 1990, American Institute of Physics
	P	
	Q	
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	Atty Docket No.	Application No.:
	<b>KLA1P015AD2/P611A2</b>	<b>Unknown</b>
	Applicant:	
	<b>Lehman <i>et al.</i></b>	
	Filing Date	Group
	<b>Herewith</b>	<b>Not Assigned</b>

**U.S. Patent Documents**

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A21	5,660,672	8-26-97	Li, et al			
	A22	5,942,893	8-24-99	Terpay			
	A23	5,939,880	8-17-99	Logue			
	A24	5,389,876	2-14-95	Hedengren, et al			
	A25	5,754,043	5-19-98	Logue			
	A26	5,659,248	8-19-97	Hedengren, et al			
	A27	5,652,511	7-29-97	Pearse, et al			
	A28	5,606,260	2-25-97	Giordano, et al			
	A29	5,184,398	2-9-93	Moslehi			
	A30	4,942,545	7-17-90	Sapia			
	A31	5,510,709	4-23-96	Hurley, et al			
	A32	5,442,286	8-15-95	Sutton, et a			
	A33	5,122,743	6-16-92	Blakeley, et al			
	A34	6,040,695	3-21-00	Raulerson, et al			
	A35	5,781,009	7-14-98	Lee, et al			
	A36	5,617,024	4-1-97	Simpson, et al			
	A37	5,432,444	7-11-95	Yasohama, et al			
	A38	5,399,968	3-21-95	Sheppard, et a;			
	A39	5,278,500	1-11-94	Seitz			
	A40	5,242,524	9-7-93	Leach, et al			
	A41	5,093,626	3-3-92	Baer, et al			
	A42	3,851,242	11-26-74	Ellis			
	A43	2,920,269	1-5-60	Hanysz, et al			
	A44	4,475,430	10-9-84	Wright et al			
	A45	5,025,220	6-18-91	Colvin, et al			
	A46	3,986,105	10-12-76	Nix, et al			
	A47	2,629,004	2-17-53	M. L. Greenough			
	A48	3,761,804	9-25-73	Erich Steingroever			
Examiner				Date Considered			

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	Atty Docket No.	Application No.:
	<b>KLA1P015AD2/P611A2</b>	<b>Unknown</b>
	Applicant:	
	<b>Lehman <i>et al.</i></b>	
	Filing Date	Group
	<b>Herewith</b>	<b>Not Assigned</b>

### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A49	2,477,384	7-26-49	Mann, et al			
	A50	2,564,777	8-21-51	P. E. Cavanagh			
	A51	4,407,094	10-4-83	Bennett, et al			
	A52	4,950,990	8-21-90	Moulder, et al			
	A53	2,581,394	1-8-52	J. E. Dinger			
	A54	3,878,457	4-15-75	Rodgers			
	A55	3,400,331	9-3-68	D. J. Harris			
	A56	2,686,039	8-10-54	J. C. Bender			
	A57	5,262,726	11-16-93	Kohmura, et al			
	A58	3,781,911	12-25-73	Davidson			
	A59	4,358,338	11-9-82	Downey, et al			
	A60	4,602,981	7-29-86	Chen, et al			
	A61	4,752,739	6-21-88	Wang			
	A62	4,893,079	1-9-079	Kustra, et al			
	A63	4,564,810	1-14-86	Geithman et al			
	A64	4,567,436	1-28-86	Koch			
	A65	4,266,187	5-5-81	Slough			
	A66	4,652,830	3-24-87	Brown			
	A67	4,751,466	6-14-88	Colvin, et al			
	A68	4,845,421	7-4-89	Howarth, et al			
	A69	5,030,918	7-9-91	Thon			
	A70	5,136,817	8-11-92	Tabata, et al			
	A71	4,771,237	9-13-88	Daley			
	A72	5,629,621	5/13/97	Goldfine et al.			
	A73	5,731,697	3/24/98	Li et al.			
	A74	3,852,662	12/74	Katz, Bernard R.			
	A75	6,020,264	02/00	Lustig et al.			
Examiner				Date Considered			

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.